

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-9 (Canceled).

10. (Original) A method for interfacing a profiler to a virtual machine, the method comprising the steps of:

receiving from a profiler agent of the profiler at least one of either a request for specific types of events and information or an enablement of notification of specific types of events and information; and

registering the specific types of events and information in which the profiler is interested.

Claims 11-19(Canceled).

20. (Original) A computer-readable medium carrying one or more sequences of one or more instructions for interfacing a profiler to a virtual machine, the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

receiving from a profiler agent of the profiler at least one of either a request for specific types of events and information or an enablement of notification of specific types of events and information; and

registering the specific types of events and information in which the profiler is interested.

Claims 21-38 (Canceled).

39. (New) A method according to claim 10, further comprising sending events and information of the specific types to the profiler agent.

40. (New) A method according to claim 10, further comprising sending one-time events and information of the specific types to the profiler agent.

41. (New) A method according to claim 10, further comprising sending defining events and information of the specific types to the profiler agent.

42. (New) A method according to claim 10, further comprising receiving from the profiling agent of the profiler a disablement of notification of specific types of events and information.

43. (New) A method according to claim 42, further comprising unregistering the specific types of events and information in which the profiler is not interested.

44. (New) The computer-readable medium according to claim 20, wherein the one or more sequences of one or more instructions further includes instructions which, when executed by one or more processors, cause the one or more processors to perform the step of:

sending events and information of the specific types to the profiler agent.

45. (New) The computer-readable medium according to claim 20, wherein the one or more sequences of one or more instructions further includes instructions which, when executed by one or more processors, cause the one or more processors to perform the step of:

sending one-time events and information of the specific types to the profiler agent.

46. (New) The computer-readable medium according to claim 20, wherein the one or more sequences of one or more instructions further includes instructions which, when executed by one or more processors, cause the one or more processors to perform the step of:

sending defining events and information of the specific types to the profiler agent.

47. (New) The computer-readable medium according to claim 20, wherein the one or more sequences of one or more instructions further includes instructions which, when executed by one or more processors, cause the one or more processors to perform the step of:

receiving from the profiling agent of the profiler a disablement of notification of specific types of events and information.

48. (New) The computer-readable medium according to claim 47, wherein the one or more sequences of one or more instructions further includes instructions which, when executed by one or more processors, cause the one or more processors to perform the step of:

unregistering the specific types of events and information in which the profiler is not interested.

49. (New) A system for profiling a heap, the system comprising:

a memory; and

one or more processors coupled to the memory,

wherein at least one processor is configured to perform a method for interfacing a profiler to a virtual machine, the method comprising:

receiving from a profiler agent of a profiler at least one of either a request for specific types of events and information or an enablement of notification of specific types of events and information; and

registering the specific types of events and information in which the profiler is interested.

50. (New) The system according to claim 49, wherein the method performed by the processor further comprises sending events and information of the specific types to the profiler agent.

51. (New) The system according to claim 49, wherein the method performed by the processor further comprises sending one-time events and information of the specific types to the profiler agent.

52. (New) The system according to claim 49, wherein the method performed by the processor further comprises sending defining events and information of the specific types to the profiler agent.

53. (New) The system according to claim 49, wherein the method performed by the processor further comprises receiving from the profiling agent of the profiler a disablement of notification of specific types of events and information.

54. (New) The system according to claim 53, wherein the method performed by the processor further comprises unregistering the specific types of events and information in which the profiler is not interested.